KŌSEIDO™
高精度
PRECISION YOU CAN TRUST

PRODUCT CATALOGUE
VIDEO MEASURING SYSTEM

VIDEO MEASURING SYSTEM

ADVANCED MEASUREMENT.
PERFECT RESULTS.

OPTICAL PRECISION FOR
CONFIDENT INSPECTION

ACCURATE | EFFICIENT | RELIABLE

PRECISION YOU CAN TRUST

Built for dependable dimensional inspection and consistent qualitycontrol.

HIGH ACCURACY
Precision optics

EFFICIENT INSPECTION
Smooth operation

RELIABLE BUILD
Industrial performance

Semi-automatic Video Measuring System

KJ-3020

The Semi-auto series Video Measuring Systems:

Z axis is motorized measuring and motorized zoom lens work together to automate the movement of the system, reducing measurement time and operator discomfort. Not only that, but the multi-position motorized zoom lens allows changes to the magnification to be part of measurement program, eliminating the need for time-consuming manual changes.

Technical Specifications

Model		KJ-3020
Machine stand	**Granite size (mm)**	470*350
	Stage glass size(mm)	328*228
	X-Y-Z Stroke (mm)	300*200*200
Accuracy	**E1X, E1Y**	(3+L/200)μm (L=is the measured length,unit mm)
	E1Z	(5+L/50)μm (L=is the measured length,unit mm)
Observation and Image		1/2 "GIGE Color Camera,1.3MP
		Working distance:90mm
		Zoom Lens: 0.7X- 4.5X
		Monitor magnification: 40X-250X
		KOSEIDO KJ-M-VM SYSTEM SOFTWARE
Illumination unit		White LED Transmitted Illumination
Instrument power sources		220V（AC) 50HZ
Max loading weight(Kg)		20
Net Weight(Kg)		228
Packing Weight(Kg)		338
Dimensions (mm)		590*795*1650
Packing Dimensions (mm)		1050*1180*1820

Devices

Device	Specification /Brand	Unit	Qty
Machine body	Granite base	SET	1
Camera	1/2 "GIGE Color Camera,1.3MP	PCS	1
Observation unit	Zoom unit	PCS	1
Resolution	0.5 um	PCS	3
Scale type	Linear encoder		
Transmission	X,Y axis: Polish screw	PCS	2
	Z axis:T-screw	PCS	1
Guide rail	Double V ball guide rail	PCS	3
Controller	UWC3200	PCS	1
Software	Koseido software（key）	SET	1
Optical data corrector	Koseido Semi-auto Series	PCS	1
Video card	Koseido	SET	1
Data acquisition unit	Koseido	SET	1
Computer (Optional)	any computer with 22-inch PC，Keyboard，Mouse	SET	1
Software Manual	Koseido KJ- M-VM SYSTEM software	SET	1

Features

A. Hardware:
Using high accuracy and stability granite as machine base and column
Reducing Mechanical Error and Ensuring Horizontal Motion Accuracy of X and Y with Two - layer Table Structure
Granite worktable surface is not easy to scratch and durable
Worktable X, Y axis high verticality, ensure coordinate measurement accuracy up to 3+L/200
Balance hammer structure for Z axis lifting to ensure smooth lifting.
Single axis accuracy：3+L/200
Convenience to ergonomic operation of integrated stand bracket.
B. Software (2.5D)：
The software has the function similar to EXCEL. The measurement data and EXCEL data seamless connection.
The automatic output tolerance can be told by color, sound and mark, especially the product can be tracked.
The sub-pixel measurement function is introduced for the first time, and there is no requirement for the surveyor. Saving measurement time for users improves measurement efficiency compared with peer products.
Complex graphics including curves can be measured.
A powerful mapping function can be used for virtual measurement.

Features

C. Environmental	
Operating Ambient Temperature	20-25°C
Humidity	30%-60%
Cleanliness	100-100K
Shake	Cannot strong vibration source again, be like punching machine, forging machine, the floor is rigid floor
Air Environment	No corrosive gas
D. Electrical	
Voltage	Single-phase 220V±10%, 50Hz
Electric Current	5A
Power	700W

For More Information

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